Table 3.—Maximum free air wind velocities, (m. p. s.), for different sections of the United States based on pilot balloon observations during November 1944

Section	Surface to 2,500 meters (m. s. l.)				Above 2,500 to 5,000 meters (m. s. l.)					Above 5,000 meters (m. s. l.)					
	Maximum velocity	Direction	Altitude (m) m. s. l.	Date	Station	Maximum ve- locity	Direction	Altitude (m) m. s. l.	Date	Station	Maximum ve- locity	Direction	Altítude (m) m. s. l.	Date	Station
Northeast 1 East-Central 2 Southeast 3 North-Central 4 Central 5 South-Central 6 Northwest 7 West-Central 8 Southwest 9	40. 4 34. 0 33. 6 35. 5 39. 6 35. 6 35. 9 33. 3 32. 6	NW. W. SSW. SSW. NNW. NW.	437 2, 160 2, 472 1, 783 2, 330 1, 011 2, 235 2, 500 1, 999	30 30 30 23 24 9 21 25 24	Nantucket, Mass. Greensboro, N. C. Charleston, S. C. Rapid City, S. Dak Dodge City, Kans Houston, Tex. Glasgow, Mont Pueblo, Colo. El Paso, Tex.	60. 5 47. 6 43. 9 54. 2 44. 6 41. 5 53. 0	NNW. W. NW. NW. WSW. NW. NW. WSW.	5, 000 5, 000 3, 871 5, 000 4, 856 4, 957 4, 548 5, 000 4, 258	13 30 23 23 23 23 13 21 24 13	Burlington, Vt	74. 2 69. 6 52. 4 75. 0	NE. WNW. SW. NW. WSW. NNW. WNW. WSW.	9, 017 10, 022 11, 611 8, 952 5, 126 10, 107 6, 582 14, 095 10, 188	18 24 24 23 13 24	Philadelphia, Pa. Huntington, W. Vi Jacksonville, Fla. Williston, N. Duk. St. Louis, Mo. Amarillo, Tex. Burns, Oreg. Ely, Nev. Phoenix, Ariz.

Maine, Vermont, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, and northern Ohio.
 Delaware, Maryland, Virginia, West Virginia, southern Ohio, Kentucky, eastern Tennessee, and North Carolina, Horth Carolina, South Carolina, Georgia, Florida, and Alabama.
 Michigan, Wisconsin, Minnesota, North Dakota, and South Dakota.
 Indiana, Illinois, Iowa, Nebraska, Kansas, and Missouri.

RIVER STAGES AND FLOODS

By C. R. JORDAN

PRECIPITATION during November averaged well above normal over a considerable part of the country, particularly along the north Atlantic coast, central Gulf coast, in the northern Great Plains, and the Southwest. Some localities in the Dakotas and the far Southwest received over four times the normal precipitation for the month. Rainfall continued below normal in the Ohio Valley, the Southeast, western Texas, parts of Colorado and New Mexico, and the far Northwest.

River stages were generally low during November and

little flooding was reported.

Atlantic Slope Drainage.—Light to heavy rain that occurred over North Carolina from November 27-30, caused rises in all rivers in that area. The Neuse River was above flood stage and still rising at Smithfield and Neuse, N. C., as the month closed.

Red Basin.—The Sulphur River at Hagansport, Tex., was slightly above flood stage on the 9th and again on the

- 6 Mississippi, Arkansas, Louisiana, Oklahoma, Texas (except El Paso), and western
- Montana, Idaho, Washington, and Oregon.
 Montana, Idaho, Washington, and Oregon.
 Wyoming, Colorado, Utah, northern Nevada, and northern California.
 Southern California, southern Nevada, Arizona, New Mexico, and extreme west

25th-26th. Only minor flooding occurred and no damage was reported.

FLOOD-STAGE REPORT FOR NOVEMBER 1944

[All dates in November unless otherwise specified]

River and station	Flood	A bove flood stages— dates				Crest 1			
	stage	From-		То		Stage	Date		
ATLANTIC SLOPE DRAINAGE Roanoke: Williamston, N. C	Feet 10 14 13	Oct.	26 28 29	(2) (2)		Feet 10. 9	Oct.	28	
MISSISSIPPI SYSTEM Red Basin Sulphur: Hagansport, Tex	38	{	9 25	1 20		38. 2 28. 6		9 26	

¹ Provisional.
2 Continued at end of month.